

Title (en)
TURBINE BLADE TRAILING EDGE WITH LOW FLOW FRAMING CHANNEL

Title (de)
TURBINENSCHAUFELABSTRÖMKANTE MIT RAHMENKANAL MIT GERINGER STRÖMUNG

Title (fr)
BORD DE FUITE DE PALE DE TURBINE À CANAL D'ARMATURE À FAIBLE ÉCOULEMENT

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Application
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Priority
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Abstract (en)
[origin: WO2016160029A1] The present disclosure provides a core structure comprising a trailing edge section including a plurality of rib-forming apertures (126) defined by a plurality of radially-extending channel elements (130) and axially-extending passage elements (128) and a radially outer low flow framing channel element (134) located adjacent to a radially outer edge (124). The core structure may be used for casting a gas turbine engine airfoil (11). The radially outer framing channel element (134) comprises a plurality of notches (14) extending radially inwardly from the radially outer edge (124). A distal portion (144a) of the notches (140) overlaps in an axial direction with the rib-forming apertures (126) of a first axially-aligned outer row (138a). A radial height of at least one of a first and a second axially-extending passage element (148a, 148b, 150) is greater than a prevalent radial height of other axially-extending passage elements (128) in the core structure.

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